

Hahn Loeser + Parks, LLP
Scott M. Oldham

S/N: 09/679,970
November 3, 2003
-2-

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A corneal contact lens comprising:

a lens body having anterior and posterior surfaces, wherein the posterior surface comprises a central zone having at least a [at least] first curvature; and
at least a one first annular zone located concentrically around said central zone,
said first annular zone having at least a second curvature, [wherein the origin] of said first and
second curvatures, each having an axis of curvature, wherein the axis of said first and second
curvatures [and the origin of said second curvature] are not coaxial.

2. (original) The contact lens according to claim 1, wherein said second curvature of said first annular zone is flatter than said first curvature of said central zone.

3. (previously canceled)

4. (currently amended) The contact lens according to claim 1, further comprising at least one second annular zone located ~~concentrically~~ around said first annular zone.

5. (original) The contact lens according to claim 1, wherein said central zone has a radius of curvature and said first annular zone has a radius of curvature, wherein said central zone radius of curvature is greater than said first annular zone radius of curvature.

6. (currently amended) A corneal contact lens comprising:

a lens body having anterior and posterior surfaces, wherein the posterior surface comprises a
central curve having at least a first curvature, and a central curve [origin] optical axis;
at least a first annular curve located concentrically around said central curve, said first annular

Hahn Locser + Parks, LLP
Scott M. Oldham

S/N: 09/679,970
November 3, 2003
-3-

curve having a second curvature, and an annular curve [origin] optical axis, wherein said central curve [origin] optical axis and annular curve [origin] optical axis are not coaxial.

7. (canceled)

8. (currently amended) The contact lens according to claim 4, wherein the central zone and the second annular zone each are defined at least in part by a radius of curvature, wherein the radius of curvature of the second annular zone is equal to or greater than the radius of curvature of the central zone.

9. (previously presented) The contact lens as recited in claim 1, wherein the central zone comprises a curvature selected from the group consisting of spherical, aspherical, toric, combined spherical and aspherical curves or combinations thereof.

10. (previously presented) The contact lens as recited in claim 1, wherein the first annular zone comprises a curvature selected from the group consisting of spherical, aspherical, toric, combined spherical and aspherical curves or combinations thereof.

11. (previously presented) The contact lens as recited in claim 1, wherein the at least first annular zone is comprised of a combination of a plurality of zones.

12. (previously presented) The contact lens as recited in claim 11, wherein the plurality of zones comprise multiple annular zones.

13. (canceled)

14. (currently amended) The contact lens according to claim 1, further comprising at least one peripheral zone located ~~concentrically~~ around said at least one first annular zone, having an axis of curvature.

15. (currently amended) The contact lens as recited in claim 14, wherein the axis [of the origin] of curvature of the at least one peripheral zone is not coaxial with the axis [of the origin] of

Hahn Loeser + Parks, LLP
Scott M. Oldham

S/N: 09/679,970
November 3, 2003

-4-

curvature of the central zone and/or the ~~axis~~ radius of curvature of the at least one first annular zone.

16. (currently amended) The contact lens as recited in claim ~~1~~ 14, wherein the central zone and the peripheral zone are defined at least in part by a radius of curvature, and the radius of curvature of the peripheral zone is greater than the radius of curvature of the central zone.

17. (previously presented) The contact lens as recited in claim 1, wherein each zone is made of different lens material.

18. (previously presented) The contact lens as recited in claim 1, wherein the curvature of the central zone is selected to cause reshaping of the cornea of the patient.

19. (previously presented) The contact lens as recited in claim 1, wherein the contact lens may be machined from a single piece of plastic.

20. (previously presented) The contact lens as recited in claim 1, wherein the thickness of the central zone and at least first annular zone are not consistent.

21. (currently amended) A method for designing a contact lens comprising the steps of:

obtaining information relating to the characteristics of a person's eye,

providing a lens body having a posterior and anterior surface, wherein the posterior surface is designed by selecting a first curvature for a central zone of a contact lens based on the characteristics;

[selecting a third curvature for a peripheral zone of the contact lens based on the characteristics;]

selecting a second curvature for [independently] connecting to the first curvature [of the first and third curvatures, whereby the second curvature is flatter than the first curvature], and

NOV-03-2003 15:02

HAHN LOESER + PARKS

3308647986

P.07/09

Hahn Loeser + Parks, LLP
Scott M. Oldham

S/N: 09/679,970
November 3, 2003

-5-

where the axis of the curvature of [at least one of] the first[, and second[, and third] curvatures
are not coaxial with one another; and
fitting the lens to the person.